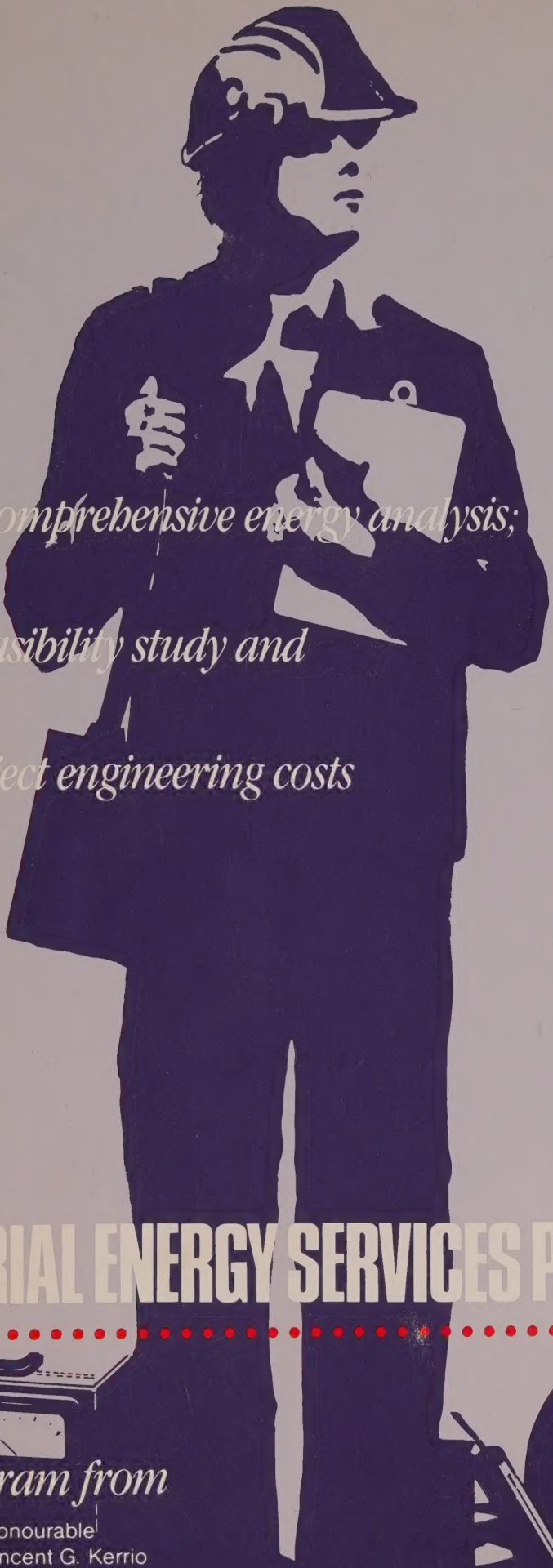
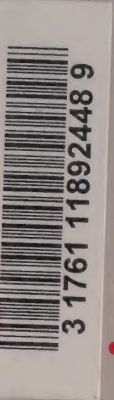


CADAN
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We pay

100% of a comprehensive energy analysis;

75% of a feasibility study and

25% of project engineering costs

INDUSTRIAL ENERGY SERVICES PROGRAM

A new program from



Ministry of Energy Honourable
Vincent G. Kerrio
Minister



Do you qualify?

Ontario industry spends \$3 billion a year on energy. That's 47% of Canada's total industrial fuel bill.

But our energy efficiency and productivity lags behind our global competitors.

If you are a manufacturer and your company spends over \$50,000 a year on energy, it definitely includes you.

This is a new, comprehensive program which will directly affect productivity and therefore your bottom line.

(If your energy bills are less than \$50,000 a year, there are a number of other programs available to you. Just call us at the telephone number indicated at the end of this brochure and we'll explain them to you.)

Whatever you do, take advantage of the INDUSTRIAL ENERGY SERVICES PROGRAM. Contact us now.



1 *Getting started*

Simple. Just fill out the enclosed application form and return it to us. At your convenience, we'll set up the next step, the plant visit.

2 *The plant visit*

First thing we'll need to determine is how far you've come on your own. (It's quite possible you already have a first class energy audit done and paid for.)

No matter, we may still come to your plant. Ministry personnel with engineering and/or production backgrounds will move with you through your process to determine: (1) exactly what you need to know and (2) precisely how much the Industrial Energy Services Program can do to get you there and (3) where you should start.



6 *The follow-up*

For a start, we'll help you carry the message to management.

We'll also send along information on any state-of-the-art energy technology we think could be helpful.

Finally, we're available to help with any aspect of your energy efficiency. Anytime. Just ask.

Industrial Energy Services Program

Ontario Ministry of Energy

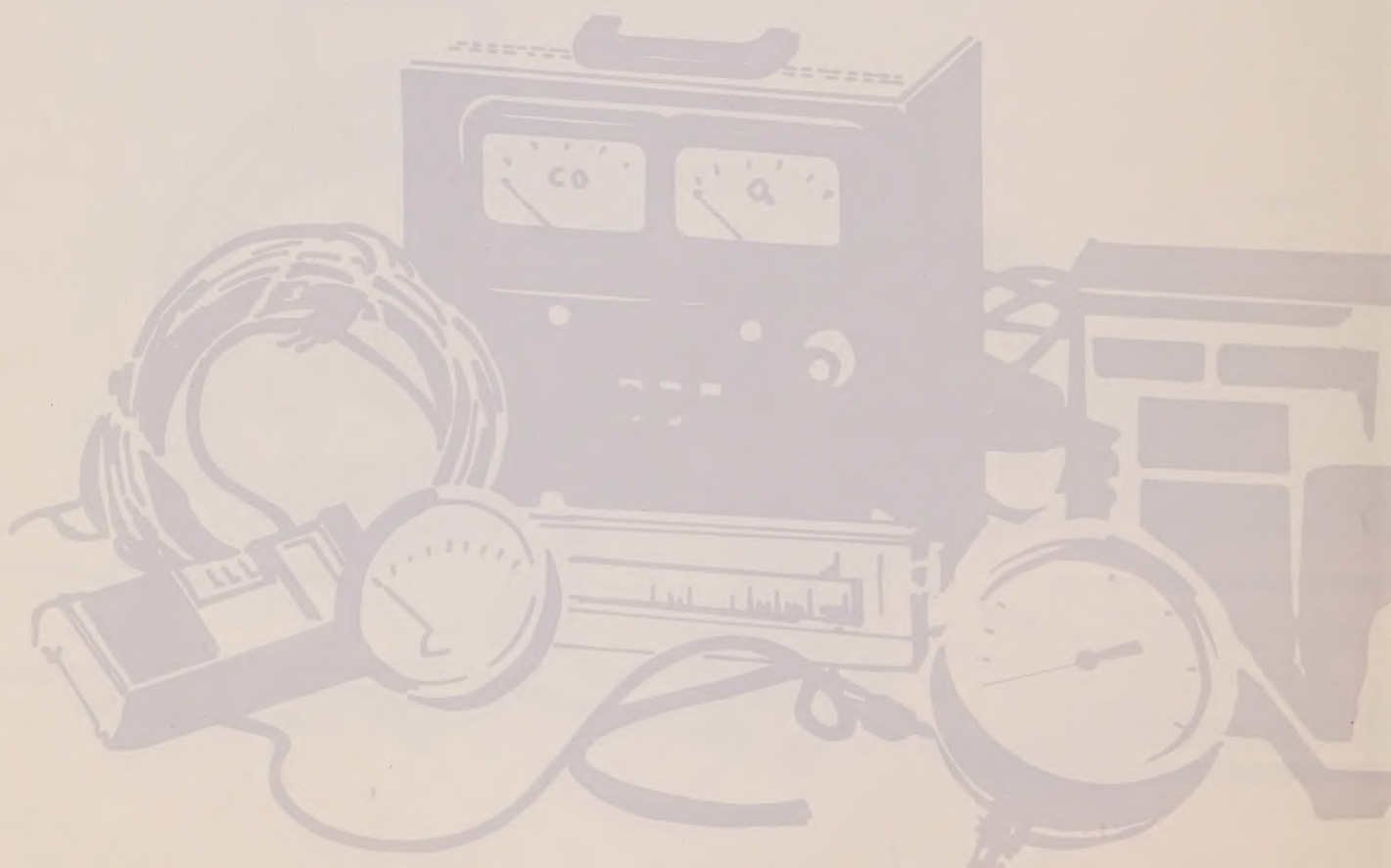
56 Wellesley St. W., 10th Floor

Toronto, Ontario M7A 2B7

or call: (416) 965-1308

Outside Toronto area, you can call toll-free

by dialing the operator and ask for Zenith 80420.



INDUSTRIAL ENERGY SERVICES PROGRAM

GUIDELINES

A. ENERGY ANALYSIS

The purpose of this service is to provide Ontario industries with a comprehensive evaluation of the energy efficiency improvement opportunities available to them. The analyses will be conducted by private sector consultants, chosen for their specialized expertise, and under contract to the Ministry of Energy. This free service is available to all Ontario manufacturers with annual energy costs in excess of \$50,000. It works in the following way.

1. The manufacturer completes the "Application For Energy Analysis" form and returns it to the Ministry.
2. Ministry engineers will review the information and will check it as necessary with the applicant.
3. A Ministry engineer will make an initial site visit to discuss the program, to define areas in which the client has an interest and the Ministry has a capability, and to develop a mutually agreeable energy analysis work plan.
4. The Ministry will select a consultant team, with expertise appropriate to the particular industrial operations at the site. While on site that team will survey the appropriate operations and systems, will compile the necessary data, and will conduct evaluations using computerized techniques.
5. Shortly after the visit, a report, customized to the needs of the client, will be produced. This report will contain a description of current energy use and distribution, a description and evaluation of possible improvements to processes and equipment, including costs and paybacks, and advice on how to proceed.

B. FEASIBILITY ANALYSIS GRANT

The purpose of the FEASIBILITY ANALYSIS component of the Industrial Energy Services Program is to develop the energy efficiency opportunities, previously identified by an energy analysis, into "budget grade" information.

Industrial companies are eligible for a FEASIBILITY ANALYSIS GRANT, if they have had an Industrial Energy Services Program analysis, or, have conducted their own audit and have a report acceptable to the Ministry of Energy.

If you are eligible, please refer to pages 2 and 4 of the "Request For Feasibility Analysis Grant" form for general instructions.

Please note that the applicants choose their own consultant(s) but that the applicants' *in-house costs are not eligible* for the Feasibility Analysis Grant.

The Ministry's portion of the consultant's costs will be paid after receipt and acceptance, by the applicant and the Ministry, of the consultant's final report, and after Ministry receipt of a copy of the consultant's paid invoice.

C. PROJECT ENGINEERING GRANT

The purpose of the PROJECT ENGINEERING component of the Industrial Energy Services Program is to develop the energy efficiency opportunities, identified by an energy audit and/or Feasibility Analysis, into the finished drawings and specifications that are required for project implementation.

Industrial companies are eligible for a PROJECT ENGINEERING GRANT if they have completed a Feasibility Analysis under the auspices of the Industrial Energy Services Program, or, have completed their own feasibility analysis and have a report acceptable to the Ministry of Energy.

If you are eligible, please refer to pages 2 and 4 of the "Request For Project Engineering Grant" form for general instructions.


Please note that the applicants choose their own consultant(s) but that the applicants' *in-house costs are not eligible* for the Project Engineering Grant.

The Ministry's portion of the project engineering costs will be paid after completion and client acceptance of each installation, and after Ministry receipt of the paid invoices.

If you would like more information, write to:

Industrial Energy Services Program
Ontario Ministry of Energy
56 Wellesley Street West, 10th Floor
Toronto, Ontario M7A 2B7
or call (416) 965-1308

Outside the Toronto area, you can call toll-free by dialing the operator and ask for Zenith 80420.



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INDUSTRIAL ENERGY SERVICES PROGRAM

APPLICATION FOR ENERGY ANALYSIS

A comprehensive energy use analysis service for Ontario's industrial companies spending more than \$50,000 per year for all forms of energy.

(Please print or type)

SECTION 1 (Company Head Office)

Name _____

Address _____ City _____

Prov. _____ Postal Code _____ Telephone (____) - ____ - ____

SECTION 2 (Site to be Surveyed)

Name _____

Address _____ City _____

Prov. _____ Postal Code _____ Telephone (____) - ____ - ____

Annual Energy Cost \$ _____ Number of employees at site _____

SECTION 3 (Company Contact)

Name _____ Title _____

Address _____ Telephone (____) - ____ - ____

City _____ Prov. _____ Postal Code _____

SECTION 4 (Nature of Business)

Major Products: _____

SECTION 5 (For Ministry use only)

App. Rec'd _____ S.I.C. _____ Analysis File No. _____

SECTION 6 GENERAL INSTRUCTIONS

1. Confidentiality

All of the information contained in this questionnaire and the ensuing energy analysis remains strictly confidential.

2. Information

The general information requested in this form is required for a preliminary evaluation. If the information is not available or is unknown, please indicate by writing in the appropriate space.

Certain process information may also be required from the client for a comprehensive analysis of energy consumption. Where process information is proprietary, this should be noted in the comments space.

Specific utility cost and contract rate structure information may be required by the Ministry of Energy for development of the client's incremental cost rates and energy consumption profiles. The owner must provide the Ministry with the Authorization to each energy supplier allowing for release of this information prior to the site visit.

3. Previous Audits

If the applicant has any recent energy surveys/audits of the site, a copy should be attached to this application, together with any appropriate explanatory notes.

4. Safety Considerations

All Ministry of Energy personnel, or their representatives, entering the site must be alerted to all safety considerations.

The owner is responsible for provision of all necessary test connections, power sources, lock-out procedures, and supporting personnel during the site surveys.

5. Responsibility

The Ministry of Energy assumes no liability for any of the suggestions or consequences arising from the energy analysis.

6. Owner's Acknowledgement

Signature of person authorizing the audit.

Name _____ Title _____ Date _____

SECTION 7 PURCHASED ENERGY

To provide details of all energy costs and major utility contracts, please complete the information below and provide photocopies of all utility billings for the past 13 consecutive months. Also provide a photocopy of the most recent utility contracts, if available.

Electricity

Name of Supplier _____ Telephone () - -

Account # _____ Contract # _____ Rate Class. _____

Owner's authorization to contact supplier. Name _____

Title _____ Date _____

Natural Gas

Name of Supplier _____ Telephone () - -

Account # _____ Contract # _____ Rate Class. _____

Owner's authorization to contact supplier. Name _____

Title _____ Date _____

Other energy contracts (Provide details in Comments Section)

Name of Supplier _____ Telephone () - -

Account # _____ Commodity _____

Owner's authorization to contact supplier. Name _____

Title _____ Date _____

ANNUAL ENERGY CONSUMPTION

Type	Annual Quantity & Units	Unit Cost	Annual Energy (Btu, GJ, kWh)	Annual Cost \$
Electricity				
Natural Gas				
Propane				
Fuel Oil Light				
Fuel Oil Heavy				
Diesel*				
Gasoline*				
Wood Waste				
Purchased steam				
Others (specify)				
Others (specify)				
Others (specify)				
Total				

*For use in stationary equipment

SECTION 8 ANNUAL PRODUCTION

Main Products	Quantities (specify units)
A. _____	
B. _____	
C. _____	
D. _____	
E. _____	

Indicate the normal production schedule of operations.

Hours/day _____ Hours/week _____ Weeks/year _____ Shutdown period _____ wks

Production variations (seasonal) _____

SECTION 9 MAIN UTILITIES (Photocopy page to provide additional data)

Steam Boilers

Number _____ Total capacity _____ BTU/hr _____ lbs/hr

Steam press. _____ psi Steam temp. _____ deg F.

Primary fuel _____ Secondary fuel _____

Steam use: _____ % Process _____ % Heating

Electrical

Number of transformer stations _____ Total connected kVA _____

Compressed Air System

Number of compressors _____ Total capacity _____ CFM System press. _____ psi

Cooling Water System

Number of cooling towers _____ Total circulation _____ GPM

Refrigeration systems

Packaged _____ (number) Central _____ Total Capacity _____ tons

Heating systems

Steam _____ Hot Water _____ Others _____

SECTION 10 LIST THE MAJOR ENERGY CONSUMING PROCESSES AND EQUIPMENT.

(furnaces, compressors, motors over 100 Hp, etc.)

SECTION 11 DESCRIPTION OF MAIN MANUFACTURING BUILDINGS.

Total Floor Area _____ ft.² Number of floors above ground _____

General Layout and Major Dimensions (or attach a plot plan)

A large rectangular area filled with a fine grid of squares, intended for drawing a plot plan or general layout of the manufacturing buildings.

INDUSTRIAL ENERGY SERVICES PROGRAM

REQUEST FOR FEASIBILITY ANALYSIS GRANT

The purpose of the FEASIBILITY ANALYSIS component of the Industrial Energy Services Program is to develop the energy efficiency opportunities, previously identified by an energy audit, into "budget grade" information.

Industrial companies are eligible for a FEASIBILITY ANALYSIS GRANT, if they have had an Industrial Energy Services Program analysis, or, have conducted their own audit and have a report acceptable to the Ministry of Energy.

(Please print or type)

SECTION 1 (Company Head Office)

Name _____

Address _____ City _____

Prov. _____ Postal Code _____ Telephone (____) - ____ - ____

SECTION 2 (Site for which application is being made.)

Name _____

Address _____ City _____

Prov. _____ Postal Code _____ Telephone (____) - ____ - ____

Annual Energy Cost \$ _____ Number of employees at site _____

SECTION 3 (Company Contact)

Name _____ Title _____

Address _____ Telephone (____) - ____ - ____

City _____ Prov. _____ Postal Code _____

SECTION 4 (Products manufactured)

Description: _____

SECTION 5 (For Ministry use only)

App. Rec'd _____ S.I.C. _____ Feasibility No. _____

SECTION 6 GENERAL INSTRUCTIONS

1. The applicant can invite one or more consulting engineering companies to tender lump sum cost proposals for the evaluation of each of the energy efficiency opportunities contained in an analysis report. The consultant(s) should be selected for their expertise in each of the identified opportunities. The selected consultant's proposals must be submitted with this application form.
2. Attach a copy of your energy audit or survey if it was not conducted under the auspices of the Industrial Energy Services Program.
3. The applicant is responsible for selection and contract arrangements with the consulting engineering companies hired. The applicant's in-house engineering department costs are not eligible for Ministry of Energy grants.
4. The Ministry of Energy reserves the right to determine which energy efficiency opportunities are eligible for a FEASIBILITY ANALYSIS GRANT. To qualify, items must require expert technical and economic analyses beyond the applicant's normal capabilities, have a direct improvement on the efficiency of energy use and result in acceptable economic returns. Common measures, such as adding insulation, installing timers, relamping, tuning combustion controls, performing routine maintenance, etc., will not be eligible.
5. Any work done before a Notice of Acceptance is issued to the applicant by the Ministry of Energy will not be eligible for a grant.
6. The consultants' final report to the client must include the following information for each opportunity investigated:
 - name and description of the opportunity contained in the analysis report.
 - description of the proposed installations and changes.
 - preliminary drawings.
 - preliminary specifications of all major equipment.
 - "budget grade" (+/- 15 to 25%) estimate of the total cost of installation.
 - verification of the energy savings identified in the audit report.
 - return on investment calculation.
 - notation of any additional benefits other than energy savings.
7. The consultant must evaluate all of the approved FEASIBILITY ANALYSIS items and issue a final report within 6 months of the date of consultant/client contract.
8. Payment of the FEASIBILITY ANALYSIS GRANT to the client is issued after receipt and acceptance, by the client and the Ministry, of the consultant's final report, and after receipt of a copy of the consultant's paid invoice.
9. Application submitted by: Name _____
Title _____
Telephone _____ Date _____

(Show additional names on a separate sheet)

Representative	Title

Prov. _____ Postal Code _____ Telephone (____) - ____ - ____

List the energy efficiency opportunities, in order of importance, for which grants are requested. (If separate consultants are to be used, show which items apply to each.)

SECTION 9 FEASIBILITY ANALYSIS GRANT ELIGIBILITY.

The total amount of the FEASIBILITY ANALYSIS GRANT applicable is 75% of the consultant's lump sum costs (itemized in Section 8), up to the maximum site contribution shown below. The client is responsible for the remaining 25% of the consultant's costs, and any additional expenses agreed upon between the client and the consultant.

Where a company has more than one operating location, or a location that consists of several large independent sites, only energy efficiency opportunities that are unique to each site are eligible for a FEASIBILITY ANALYSIS GRANT.

The maximum contribution by the Ministry of Energy for Feasibility Analysis is based on the following site annual energy cost.

<u>Site Annual Energy Cost (\$)</u>	<u>Maximum Site Subsidy (\$)</u>
– 100,000	10,000
100,000 – 200,000	12,000
200,000 – 400,000	15,000
400,000 – 600,000	20,000
600,000 – 800,000	25,000
800,000 – 1,000,000	30,000
1,000,000 – 2,000,000	35,000
2,000,000 – 3,000,000	40,000
3,000,000 – 4,000,000	45,000
4,000,000 – 5,000,000	50,000
5,000,000 – 6,000,000	55,000
6,000,000 – 7,000,000	60,000
7,000,000 – 8,000,000	65,000
8,000,000 +	70,000

SECTION 12 COMMENTS

Return to: IESP Coordinator
 Ontario Ministry of Energy
 56 Wellesley St. 10th Fl.
 Toronto, Ontario M7A 2B7
 (416-965-1308)



Ministry
of
Energy

INDUSTRIAL ENERGY SERVICES PROGRAM

REQUEST FOR PROJECT ENGINEERING GRANT

The purpose of the PROJECT ENGINEERING grant component of the Industrial Energy Services Program is to develop the energy efficiency opportunities, identified by an energy audit and/or Feasibility Analysis, into the finished drawings and specifications that are required for project implementation.

Industrial companies are eligible for a PROJECT ENGINEERING GRANT, if they have completed a Feasibility Analysis under the auspices of the Industrial Energy Services Program, or, have completed their own feasibility analysis and have results acceptable to the Ministry of Energy.

(Please print or type)

SECTION 1 (Company Head Office)

Name _____

Address _____ City _____

Prov. _____ Postal Code _____ Telephone (____) - ____ - ____

SECTION 2 (Site for which application is being made.)

Name _____

Address _____ City _____

Prov. _____ Postal Code _____ Telephone (____) - ____ - ____

Annual Energy Cost \$ _____ Number of employees at site _____

SECTION 3 (Company Contact)

Name _____ Title _____

Address _____ Telephone (____) - ____ - ____

City _____ Prov. _____ Postal Code _____

SECTION 4 (Products manufactured)

Description: _____

SECTION 5 (For Ministry of Energy use only)

App. Rec'd _____ S.I.C. _____ Proj. Eng. File No. _____

SECTION 6 GENERAL INSTRUCTIONS

1. The applicant can invite one or more consulting, engineering and/or contracting firms, or in certain cases major equipment vendors, to tender lump sum cost proposals for project engineering of each of the energy efficiency items identified in the Feasibility Analysis report(s). The project engineering company's proposal(s) must be submitted with this completed form.

CONSTRUCTION MANAGEMENT AND CAPITAL COSTS ARE NOT ELIGIBLE FOR GRANTS.

2. Project engineering companies should be chosen for their expertise in each of the selected projects. All engineering must be done by companies registered with a Certificate of Authorization in the Association of Professional Engineers of Ontario (APEO).
3. The applicant is responsible for selection and contract arrangements with the companies hired. The applicant's in-house costs are not eligible for Ministry of Energy grants.
4. The Ministry of Energy reserves the right to determine which energy efficiency projects are eligible for a PROJECT ENGINEERING GRANT.
5. Any project engineering done before a Notice of Acceptance is issued to the applicant by the Ministry of Energy is not eligible for a grant.
6. Payment of the PROJECT ENGINEERING GRANT to the client is issued after completion and acceptance of each installation, and after the Ministry of Energy has received a copy of the engineering company's paid invoice(s).
7. The project engineering documentation must include:
 - complete working plans and construction drawings of all components.
 - verification of the estimated Feasibility Analysis costs and energy savings.
 - certification of adherence to all applicable codes and regulations.

8. Application submitted by: _____

Title _____ Date _____

SECTION 7 PROJECT ENGINEERING COMPANY(S) TO BE HIRED. (Show additional names on a separate sheet)

Name _____

Representative _____ Title _____

Address: Street _____ City _____

Prov. _____ Postal Code _____ Telephone () - - _____

.....

List the energy efficiency projects for which grants are requested. (If more than one company is to be used, show which items apply to each)

[illegible]

The client is responsible for the remaining 75% of the project engineering costs, and any additional expenses agreed upon between the client and the engineering/contracting company or vendor.

SECTION 10 COMMENTS

Ontario

Ministry
of
Energy



Ministry of Energy Honourable
of Vincent G. Kerrio
Energy Minister